SERIAL BUS (6-PIN FEMALE DIN) CN4
RESET
SRQ IN
DATA
CLK
ATN

CONTROL PORT 2 (MALE DB9) CN8
POTBX
POTBY
JOYB0
JOYB1
JOYB2
JOYB3
BTNB

CONTROL PORT 1 (MALE D) CN7
POTAX
POTAY
JOYA0
JOYA1
JOYA2
JOYA3
BTNA/LP

KEYBOARD (20-PIN MALE) CN1
COL0
COL1
COL2
COL3
COL4
COL5
COL6
COL7
ROW0
ROW1
ROW2
ROW3
ROW4
ROW5
ROW6
ROW7
RESTORE
(KEY)

USER PORT (24-PIN MALE EDGE) CN2
CNT1
SP1
ATN
CNT2
SP2
PC2
PA2
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
FLAG2
RESET
9VAC
9VAC

U28 4066
U7 6510A MPU
U1 6526 C1A (DC00-DCFF)
U2 6526 C1A (DD00-DDFF)
U8 7406N
U20 556
U27 74LS08
U31 74LS629N
U29 74LS74
U30 74LS193
U32 MC4044
U31 74LS629N
U31 74LS629N

RP3 3.3K
RP4 3.3K
R1 3.3K
R2 1.5K
R3 10K
R4 1K
R5 560
R19 15K
R22 1.5K
R23 1K
R26 75Ω
R27 2K
R28 1K
R29 1K
R30 1K
R33 47K
R34 47K
R35 470K
R36 1K
R37 2.7K
R39 350
R41 1M
R43 3.3K
R44 3.3K
R45 3.3K
R50 1M
R16 1K
R17 1.2K

C1 .1
C2 .1
C3 .1
C8 10 25V
C9 .47µF
C18 .1
C20 .22 100V
C21 .22 100V
C22 .1
C23 360 pf
C24 10µF 25V
C36 20pf 50V
C38 51 pf
C39 .1
C46 .1
C47 .1
C55 .1
C56 .1
C57 10 25V
C58 .1
C59 .22
C68 .1
C70 10pf ±5%
C74 .1
C82 .1
C83 33pf 50V
C84 .1
C85 .47
C86 39 pf ±5%
C87 .1
C88 470 50V
C89 .1
C90 470 50V
C91 100 16V
C92 .22
C95 .1
C96 .1
C97 .22 25
C98 .1
C99 .1
C100 .22
C102 10µF 25V
C103 .1
C105 .1µF
C64 10 25V
C63 .47 50V 20%
C61 .47 50V 20%
C65 10 25V
C66 .47 50V 20%
C67 .47µF 50V 20%
L1 2.2µH
L2 2.2µH
L4
L5 1.2µH
FB1
FB2
FB3
FB5
FB16
FB17
FB18
FB19
FB20
FB21
FB6
FB7
FB8
FB9
Y1 SEE NOTE 2
14.31818 MHz
8.1818 MHz
CR1 IN4371 2.7V
CR2 7.5V 1N755
CR4 3.9V 1W
CR5 IN4001
CR6 IN4001
VR1 MC7812CT
VR2 7805
Q1 2N4401
Q2 2N3904
Q3 TP29B
Q7 PN2222A
PAL JUMPER SELECT
NTSC
CNT UP
CNT DN
LOAD
PHASE DETECT
CHARGE PUMP
LED CONNECTOR CN10
POWER INPUT CN7 (7-PIN MALE DIN)
CASSETTE (6-PIN MALE EDGE) CN3
CASS MOTOR
CASS SENSE
CASS WRT
CASS RD
CARTRIDGE EXPANSION CNG
SHIELD GND.
+9 UNREG
+Vc
+5
CAEC
LORAM
HIRAM
CHAREN
Ø2
RDY
IRQ
R/W
D0-D7
A0-A15
VA14
VA15
CIA2
CIA1
Ø0
Ø COLOR
BTNA/LP
CASS RD
POTX
POTY
RESET
+VVID
CAN +5
SW1
NOTE:
1. VC SHOULD BE USED TO DRIVE ONLY DEVICES INDICATED.
2. Y1=14.31818 MHZ -NTSC
17.734472 MHZ- PAL
3. ALL RESISTORS ARE 1/4 WATT ±5% UNLESS OTHERWISE SPECIFIED.
4. ALL CAPACITOR VALUES ARE IN µf UNLESS OTHERWISE SPECIFIED.
5. CAP, 50 PF: ONLY WITH R4 OR R4T2 VERSIONS OF 6567.
6. SEE ECO NO. 2896 FOR INSTRUCTIONS ON USE OF C106.
7. CAP, 220 PF: ONLY WITH R1 VERSION OF 6569.

COMMODORE 64

SCHALTPLAN

Diesen Schaltplan bitte in die Lasche auf dem hinteren Buchdeckel einstecken.

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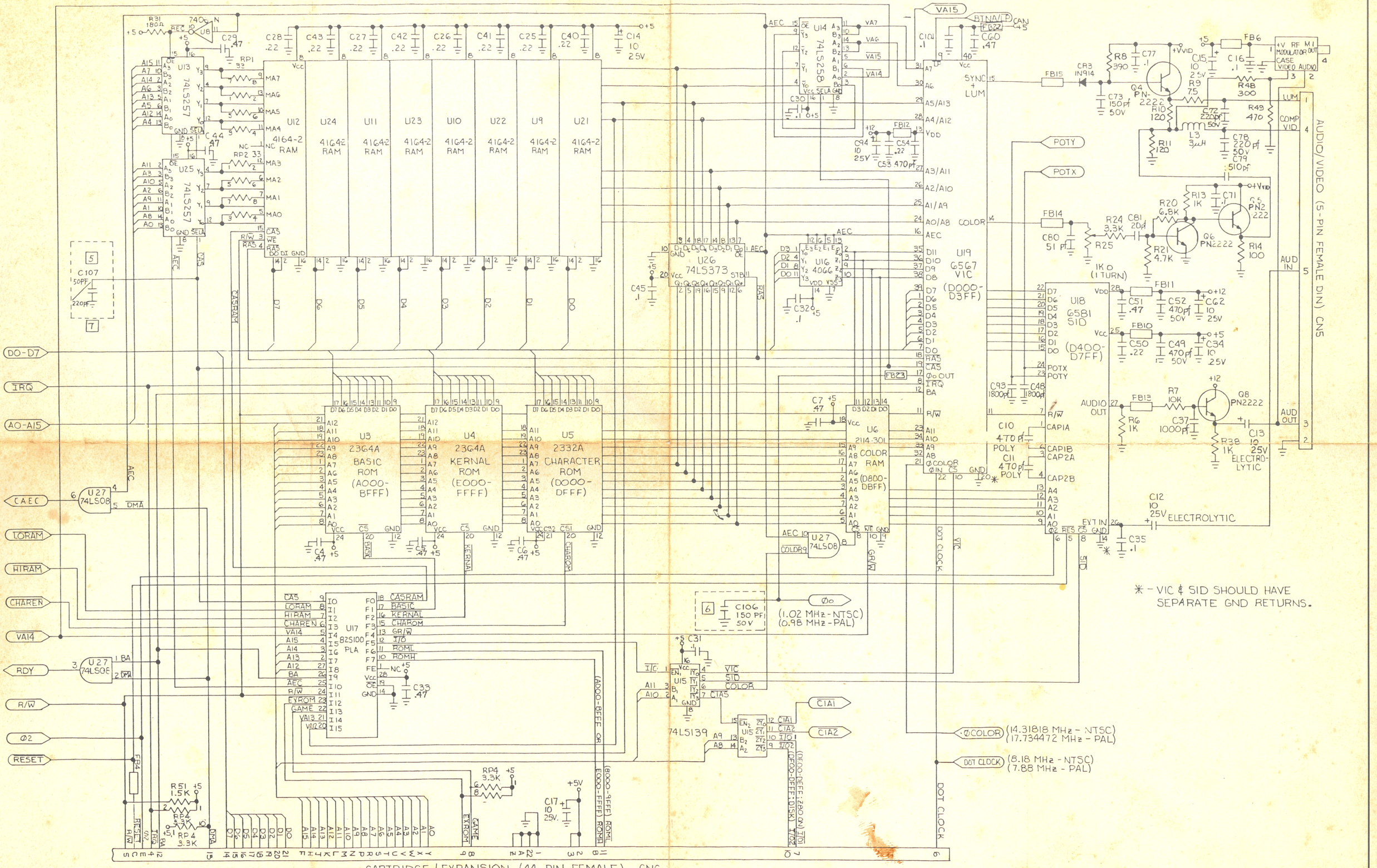
U13 74LS257
U25 74LS257
U12 4164-2 RAM
U24 4164-2 RAM
U11 4164-2 RAM
U23 4164-2 RAM
U10 4164-2 RAM
U22 4164-2 RAM
U9 4164-2 RAM
U21 4164-2 RAM
U14 74LS258
U26 74LS373
U16 4066
U19 6567 VIC (D000-D3FF)
U18 6581 SID (D400-D7FF)
U6 2114-301 COLOR RAM (D800-DBFF)
U3 2364A BASIC ROM (A000-BFFF)
U4 2364A KERNAL ROM (E000-FFFF)
U5 2332A CHARACTER ROM (D000-DFFF)
U17 82S100 PLA
U15 74LS139
U27 74LS08
Q4 PN2222
Q5 PN2222
Q6 PN2222
Q8 PN2222
VA15
BINA/D
FB22
SYNC + LUM
POTY
POTX
COLOR
AUDIO OUT
AUD IN
AUD OUT
LUM
COMP VID
+V RF MODULATOR OUT
CASE
VIDEO AUDIO
AUDIO/VIDEO (5-PIN FEMALE DIN) CN5
DO-D7
IRQ
AO-A15
CAEC
LORAM
HIRAM
CHAREN
VA14
RDY
R/W
Ø2
RESET
DMA
BASIC
KERNAL
CHAROM
GAME
EXROM
CASRAM
ROML
ROMH
(A000-BFFF) ROML
(E000-FFFF) ROMH
(D000-DFFF) I/O
(D000-DFFF) (NO SHADOW) I/O
ØIN
ØCOLOR
DOT CLOCK
VIC
SID
EXT IN
RES
CARTRIDGE / EXPANSION (44-PIN FEMALE) CN2
* - VIC & SID SHOULD HAVE SEPARATE GND RETURNS.
(1.02 MHz - NTSC)
(0.98 MHz - PAL)
(14.31818 MHz - NTSC)
(17.734472 MHz - PAL)
(8.18 MHz - NTSC)
(7.88 MHz - PAL)